

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Currently Amended) A roller ironing machine for clothing articles, characterised in that it comprises at least one ironing unit comprising, in combination:

at least one ironing roller ~~(2)~~ rotatingly supported and guided in a rotating manner on a frame ~~(1)~~ and fitted with heating means to heat its surface;

at least one ~~pressing-pressure~~ roller ~~(3)~~ rotatingly arranged in a rotating fashion on said frame ~~(1)~~ parallel to said ironing roller ~~(2)~~ and in contact with same, providing an ironing pressure on the clothing articles ~~passing that pass~~ between the ~~two~~ pressing roller ~~(3)~~ and the ~~ironing roller (2)~~;

at least one endless ~~band (4)~~ belt mounted on ~~several~~ a plurality of satellite rollers ~~of on~~ the ironing roller ~~(2)~~ embracing and gripping an angular portion of the ironing roller ~~(2)~~ in order to accompany the clothing articles maintaining them in contact with the ~~ironing roller (2)~~ same;

~~driving-drive~~ means to rotate the ironing roller ~~(2)~~ and/or circulate said endless belts; ~~bands (4)~~

a pair of first inclined planes ~~(5)~~ for the respective ones of the at least one, or each, ~~pressing-pressure roller (3)~~, mounted in a static manner on the frame ~~(1)~~ and against which axial journals ~~(3a)~~ or rolling elements are supported, extending from opposite ends of the corresponding ~~pressing-pressure roller (3)~~ are supported, when ~~pressing the pressure roller (3)~~ is in contact with the ironing roller ~~(2)~~;

~~wherein~~ where said first inclined planes ~~(5)~~ are at form an angle ~~(A)~~ with respect to an imaginary plane ~~(Pt)~~ tangential to the ironing roller ~~(2)~~ and the pressure roller ~~(3)~~ along the line of mutual contact, and located in such a ~~way~~ position that the first inclined planes and the exterior surface of the ironing roller form a wedge on which the pressure roller is wedged by gravity, supporting said axial journals (3a) ~~rest against the first inclined planes (5)~~ by through the effect of a force including at least one normal force component ~~(Fn1)~~ derived from ~~the a~~ weight ~~(P1)~~ of the pressure roller ~~(3)~~, resulting in an ironing force component ~~(Fp)~~ exerted by the pressure roller ~~(3)~~ against the ironing roller ~~(2)~~ that is greater than said weight ~~(P1)~~ of the

pressure roller ~~(3)~~ and a wedge effect favoured by the opposite rotation directions of the ironing roller ~~(2)~~ and the pressure roller ~~(3)~~.

2. (Currently Amended) A roller ironing machine according to claim 1, characterised ~~in that~~ wherein said ~~various~~ satellite rollers on which said at least one endless ~~band~~ belt ~~(4)~~ is mounted include the pressing roller ~~(3)~~.

3. (Currently Amended) A roller ironing machine according to claim 2, characterised ~~in that~~ wherein a force component ~~derived from~~ based on a first force resulting from a tension ~~(T)~~ of the endless ~~band~~ belt ~~(4)~~ is added to said force effecting the rest of axial journals ~~(3a)~~ against the first inclined planes ~~(5)~~, ~~giving as a result~~ providing an ironing force component exerted by the pressing roller ~~(3)~~ on the ironing roller ~~(2)~~ greater than the sum of said weight ~~(P)~~ of the pressing roller ~~(3)~~ and said force resulting from the tension ~~(T)~~ of the endless ~~band~~ belt ~~(4)~~.

4. (Currently Amended) A roller ironing machine according to claim 1 ~~or 2~~, characterised ~~in that~~ wherein said force effecting the rest of the axial journals ~~(3a)~~ on the first inclined planes ~~(5)~~ further includes a force component ~~derived from~~ based on a thrusting device selected from a group ~~comprising~~ consisting of at least one elastic member, one weight, one fluid dynamic cylinder or combinations thereof.

5. (Currently Amended) A roller ironing machine according ~~to any one of the preceding claims, characterised in that~~ to claim 3, the machine comprises further comprising a regulating device adapted to vary said inclination angle ~~(A)~~ of the first inclined planes ~~(5)~~ so as to regulate said ironing force component ~~(Fp)~~ according to the desired ironing characteristics.

6. (Currently Amended) A roller ironing machine according to claim 3, characterised ~~in that~~ the machine comprises further comprising at least a tensor device ~~(6)~~ adapted to provide said tension ~~(T)~~ to the endless ~~band~~ belt ~~(4)~~.

7. (Currently Amended) A roller ironing machine according to claim 6, characterised ~~in that~~ wherein said tensor device ~~(6)~~ comprises a tensing roller ~~(7)~~ included in said satellite rollers, and a pair of second inclined planes ~~(8)~~ mounted in a static manner on the frame ~~(1)~~ and against which axial journals ~~(7a)~~ or rolling elements extending from opposite ends of the corresponding tensing roller ~~(7)~~ are supported, where said second inclined planes ~~(8)~~ are at an angle ~~(B)~~ with respect to the bisectrix of an angle formed by adjacent lengths of the endless ~~band~~ belt ~~(4)~~ at each side of said tensing roller ~~(7)~~ and placed in such a way that the tension ~~(T)~~

of the endless ~~band~~belt (4) is automatically balanced with a second force (P2) in a direction away from the second inclined planes (8) applied by a thrusting device by gravity on the tensing roller (7) and a normal reaction force (F_{rn2}) exerted by the second inclined planes (8) against the axial journals (7a) of the tensing roller (7).

8. (Currently Amended) A roller ironing machine according to claim 7, ~~characterised in that~~wherein said second force (P2) is provided by gravity and corresponds to the weight (P2) of the tensing roller (7).

9. (Currently Amended) A roller ironing machine according to claim 7, ~~characterised in that~~wherein the machine comprises a regulating device adapted to vary said inclination angle (B) of the second inclined planes (8) so as to regulate the tension (T) of the endless ~~band~~belt (4) according to the desired tension characteristics.

10. (Currently Amended) A roller ironing machine according to claim 1, ~~characterised in that~~wherein the pressing roller (3) is placed at an ~~adequate~~adequate predetermined height with respect to the ironing roller (2) to facilitate loading of the clothing articles to be ironed through an entrance located at a first side (2a) of the ironing roller (2), and the machine comprises an unload roller (9) located at an ~~adequate~~adequate predetermined height with respect to the ironing roller (2) to facilitate an unloading of the ironed clothing articles through an exit located at a second side (2b) of the ironing roller (2) opposite the first side.

11. (Currently Amended) A roller ironing machine according to claim 10, ~~characterised in that~~wherein said unload roller (9) is included in said satellite rollers.

12. (Currently Amended) A roller ironing machine according to claim 10, ~~characterised in that~~wherein the machine comprises two or more ironing units connected in series, including a transferring device (10) adapted to transfer the clothing articles from said unloading exit of one of said ironing units to said loading entrance of another adjacent of the ironing units.

13.- (Currently Amended) A roller ironing machine according to claim 12, ~~characterised in that~~wherein each of said ironing units is mounted on an independent frame (1) forming modular units able to be coupled together or with other processing units for laundry clothing articles.

14. (New) A roller ironing machine according to claim 2, wherein said force effecting the rest of the axial journals on the first inclined planes further includes a force component based on a thrusting device selected from a group consisting of at least one elastic member, one weight, one fluid dynamic cylinder or combinations thereof.